Index of Claims

Allowed

Christian L Fronda

10/750,026

Examiner

Applicant(s)

MITSUHASHI ET AL.

Art Unit

1652

(Through numeral) Rejected Cancelled

Restricted

Non-Elected N

Interference

Appeal Α

0 Objected

|          |          |              |                |              |                | _              |  |            |                 |          |          |          | _               |          |          |          |          |          |          |          |           |          |            |            |         |         |
|----------|----------|--------------|----------------|--------------|----------------|----------------|--|------------|-----------------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|------------|------------|---------|---------|
| Cla      | aim      | Date         |                |              |                |                |  | _          | Cla             | aim      | Date     |          |                 |          |          |          |          |          | 4        | Claim    |           |          |            |            |         |         |
| Final    | Original | 9/1/64       |                |              |                |                |  |            |                 |          | Final    | Original |                 |          |          |          |          |          |          |          |           | Finat    | Original   |            |         |         |
|          | 1        |              | 一              | Т            | T              | T              |  | _          | П               |          |          | 51       |                 |          |          |          |          |          |          |          |           |          | 101        |            |         | I       |
|          | 1        |              |                |              |                |                |  |            |                 |          |          | 52       |                 |          |          |          |          |          |          |          |           |          | 102        |            |         | $\perp$ |
|          | 3        |              |                |              |                |                |  |            |                 |          |          | 53       |                 |          |          |          |          |          |          |          |           |          | 103        |            |         |         |
|          | 4        |              |                |              | _              |                |  |            |                 | _        |          | 54       |                 |          |          |          | $\perp$  | _        | _        |          | _         |          | 104        |            | $\perp$ |         |
|          | 5        |              |                |              | 1_             | _              |  |            | $\sqcup$        | 4        |          | 55       |                 |          | _        | _        | _        | _        | 4        | _        | 4         | <u></u>  | 105        | $\sqcup$   | 4       | $\bot$  |
|          | •        | ļ            | <u> </u>       |              | _              | _              | <u> </u>   | <u> </u>   | $\sqcup$        | 4        |          | 56       | $\sqcup$        |          |          |          | -        |          |          | _        | _         |          | 106        | $\vdash$   | _       | 4       |
|          | L        | ļ            | <del> </del>   | _            |                | -              | <u>⊢</u>   |            | $\sqcup$        |          |          | 57       | -               |          |          |          | -        |          | 1        |          | 4         |          | 107        | $\vdash$   | +       | +       |
|          | 1        | _            | ├              |              | ⊢              | -              | H  | <u> </u>   |                 |          |          | 58<br>59 | $\vdash$        | _        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | +        | $\dashv$  | -        | 108<br>109 | $\vdash$   | +       | +       |
|          | 1D       | -            | ├              | -            | $\vdash$       | -              | H  | _          | -               | -        | -        | 60       |                 |          | -        | $\dashv$ |          |          | -+       | -+       | $\dashv$  |          | 110        |            |         | +       |
|          | 11/1     | $\vdash$     | ┢              | -            | ╁              | ╁              | H  |            | $\vdash$        | $\dashv$ | -        | 61       |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$  |          | 111        |            | +       | +       |
|          | 12       | ┢            | ╁—             | $\vdash$     | ├              | ╁╌             | <del>                                     </del> |            | $\vdash$        | $\dashv$ | _        | 62       | $\vdash$        |          | -        | $\dashv$ | _        |          | $\dashv$ | $\dashv$ | ┥         |          | 112        | $\vdash$   | ╅       | +       |
| ļ        | 13       |              | 十              | ├            | ╁              | $\vdash$       | -  | -          | -               | $\dashv$ |          | 63       | Н               | _        | $\dashv$ | $\dashv$ |          |          | -        | -        | -         | -        | 113        |            | +       | +       |
|          | 14       | =            | <del> </del>   | H            | H              |                |  |            | H               |          | -        | 64       | H               | -        | -        |          |          |          | 7        | _        | $\dashv$  | -        | 114        |            | +       | 十       |
|          | 15       | ,            | <del> </del>   | 一            | 1-             | $\dagger$      |  | -          | $\vdash$        | _        | -        | 65       |                 |          | $\neg$   | $\dashv$ | $\neg$   | $\neg$   | $\dashv$ | $\neg$   | 7         |          | 115        | H          | _       | ╅       |
| -        | 16       | ¥            | -              | t            | t              | T              | Т  |            | П               | $\neg$   |          | 66       |                 |          | 1        |          |          | $\neg$   | _        |          |           |          | 116        |            | $\neg$  | $\top$  |
|          | 17       |              | <del> </del>   |              | 1              |                |  |            |                 |          |          | 67       |                 |          |          |          | $\neg$   | $\neg$   | ┪        |          |           |          | 117        |            |         | 7       |
|          | 18       | ĭ            |                |              | Γ              | T              |  |            |                 |          |          | 68       |                 |          |          | Ī        |          | コ        | П        |          |           |          | 118        |            | T       | T       |
|          | 19       | П            |                | 1            | Т              | П              |  |            |                 |          |          | 69       |                 |          |          |          |          |          |          |          |           |          | 119        |            |         |         |
|          | 20       |              |                |              |                |                |  |            |                 |          |          | 70       |                 |          |          |          |          |          |          |          |           |          | 120        |            |         |         |
|          | 21       |              |                |              |                |                |  |            |                 |          |          | 71       |                 |          |          |          | _        | _        | $\perp$  |          | _         |          | 121        |            | $\perp$ | $\perp$ |
|          | 22       |              |                |              |                |                |  |            |                 |          |          | 72       |                 |          |          |          | _        |          | _        |          | _         |          | 122        | $\sqcup$   |         |         |
| <u></u>  | 23       | IL,          | _              | _            | <u> </u>       | ļ_             |  |            | $\sqcup$        | _        |          | 73       | Ш               |          |          | _        | _        |          | _        | _        | _         | <u></u>  | 123        |            | 4       | 4       |
|          | 24       | V            | 1_             | ┞            | _              | _              |  | _          | $\sqcup$        | _        |          | 74       |                 |          | _        |          | _        | 4        | _        | _        | _         |          | 124        |            | _       | 4       |
|          | 25       | -            | 1              | _            | ـــــ          | ↓_             | -  | _          |                 | _        |          | 75       |                 |          |          | _        | _        | -        |          | _        | 4         |          | 125        |            |         | -       |
|          | 26       | _            | <b>├</b>       | ├            | ├-             | <del> </del>   | -  | -          | $\vdash$        |          |          | 76<br>77 | H               | _        |          |          |          | -        | -        |          | 4         | -        | 126        | $\vdash$   | +       | +       |
|          | 27       | -            | ┢              |              | $\vdash$       | -              |  | <u> </u>   | H               | _        | -        | 78       | $\vdash$        |          | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | 4         | -        | 127<br>128 | -          | +       | +       |
|          | 28<br>29 |              | <del> </del> − | ⊢            | ╁╌             | ╁┈             | -  | -          |                 | $\dashv$ |          | 79       | $\vdash$        | -        |          | -        | $\dashv$ |          |          |          | ┥         |          | 129        | -          | +       | +-      |
|          | 30       | $\vdash$     | ╁              | ╁            | ╁              | ╁              | ╁╌   | -          | $\vdash$        | -        |          | 80       | H               |          |          |          | -        |          | -        | +        | -         | -        | 130        | $\vdash$   | +       | +       |
|          | 31       | ⊢            | $\vdash$       | ┢            | $\vdash$       | ╁╾             | $\vdash$   | $\vdash$   | $\vdash$        | $\dashv$ |          | 81       | $\vdash$        | _        | $\dashv$ | $\dashv$ |          | $\dashv$ | -        | _        | $\dashv$  |          | 131        | $\vdash$   | +       | +       |
|          | 32       |              |                | $\vdash$     | $\vdash$       | †              | $\vdash$   |            | $\vdash$        | _        | -        | 82       | $\Box$          |          |          |          |          | _        | 7        | $\top$   | 1         |          | 132        |            | $\top$  | 十       |
|          | 33       |              | Т              | T            | Т              | T              | T  |            | $\Box$          | ┪        |          | 83       |                 |          | _        | $\neg$   | 7        | 寸        |          |          | _         |          | 133        | <b>i</b> t | $\top$  | 十       |
|          | 34       |              |                | T            | $t^-$          | T              | T  | -          | $\Box$          | $\dashv$ |          | 84       | П               |          |          |          |          | $\neg$   |          |          |           |          | 134        |            | _       | $\top$  |
|          | 35       |              |                |              |                |                |  |            |                 |          |          | 85       |                 |          |          |          |          |          | 丁        |          |           |          | 135        |            |         |         |
|          | 36       |              |                |              | $\Gamma$       |                |  |            |                 |          |          | 86       |                 |          |          |          |          |          |          |          |           |          | 136        |            | $\perp$ | I       |
|          | 37       |              |                |              |                |                |  |            |                 |          |          | 87       |                 |          |          |          |          | $\Box$   | $\Box$   |          |           |          | 137        |            |         |         |
|          | 38       | L            |                |              | <u> </u>       | L              |  |            |                 | $\Box$   |          | 88       | $\Box$          |          |          |          |          | $\perp$  | $\perp$  |          | _         |          | 138        |            |         |         |
| <u></u>  | 39       | L            | $\Box$         | L            | L              | L              |  | L.         |                 | $\dashv$ | L        | 89       | Ш               |          |          |          | _        |          | _        |          | _         |          | 139        | Ш          | $\perp$ | $\perp$ |
|          | 40       | _            | ↓_             | <u> </u>     | <u> </u>       | 1_             |  | <u> </u>   | Ш               | _        |          | 90       | Ш               |          | _        |          |          |          | _        | $\perp$  | _         |          | 140        | $\sqcup$   | $\perp$ | $\bot$  |
| ļ        | 41       | _            | ↓_             | <u> </u>     | ↓_             | -              | _  | _          | _               | _        |          | 91       |                 |          |          |          |          |          |          |          | 4         |          | 141        | $\vdash$   | $\perp$ | $\bot$  |
|          | 42       | <u> </u>     | <del> </del>   | ــ           | <del> </del>   | -              | ⊢  |            | <b>├</b> ├      |          |          | 92       | $\sqcup$        | _        | _        | $\dashv$ | -        |          | -        | _        | 4         | <u> </u> | 142        | $\vdash$   | -       |         |
|          | 43       | <u> </u>     | ┼              | <del> </del> | <del> </del> — | $\vdash$       |  | <b>⊢</b> - | $\vdash \vdash$ | -        | <u> </u> | 93<br>94 | $\vdash$        |          |          |          |          |          |          | -+       | 4         | _        | 143<br>144 |            | +       | +       |
| -        | 45       |              | ┼              | -            | ╁              | <del> </del> − | ╁  | -          | -               | $\dashv$ |          | 95       | $\vdash \vdash$ | -        | -        | -        |          | $\dashv$ | -+       | +        | $\dashv$  | -        | 144        | $\vdash$   | +       |         |
|          | 45       | $\vdash$     | $\vdash$       | $\vdash$     | Ͱ              | ╀              | $\vdash$   |            | $\vdash \vdash$ | $\dashv$ | -        | 96       |                 |          |          |          |          | $\dashv$ | -+       | -+       | $\dashv$  | -        | 146        | +          | +       | +       |
|          | 47       | ├-           | $\vdash$       | ╁            | $\vdash$       | $\vdash$       | -  | <u> </u>   | $\vdash \vdash$ | $\dashv$ | -        | 97       |                 | -        | -        |          |          |          | $\dashv$ | +        | $\dashv$  | -        | 147        | ++         | +       | +       |
| -        | 48       | ├-           | ╁              | $\vdash$     | +              | ╁              | $\vdash$   | ├-         | $\vdash$        | $\dashv$ | $\vdash$ | 98       | $\vdash$        |          | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$  | -        | 148        | $\vdash$   | +       | +       |
| -        | 49       | $\vdash$     | $\vdash$       | <del> </del> | +              | +              |  | $\vdash$   | $\vdash$        | $\dashv$ | -        | 99       | $\vdash \vdash$ |          | +        | -        | +        | +        | $\dashv$ | +        | $\exists$ |          | 149        | $\vdash$   | +       | +       |
| <b>—</b> | 50       | <del> </del> | †-             |              | $\vdash$       | t              | $\vdash$   | -          | H               | -1       | -        | 100      |                 |          | $\dashv$ | $\dashv$ |          | _        | 1        | $^+$     | ٦         |          | 150        |            | +       | +       |
| Щ.       | 100      |              | _              | <u> </u>     | 1              |                | 1  | L          | L L             |          |          |          | $\perp$         |          |          |          |          |          |          | L        | _         |          | _:         |            |         |         |

| Cla      | Claim             |  |                | Date     |          |              |  |  |                                     |          |  |  |  |
|----------|-------------------|--|----------------|----------|----------|--------------|--|--|-------------------------------------|----------|--|--|--|
|          | _                 |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | Original          |  |                |          |          |              |  | ŀ  |                                     |          |  |  |  |
| Finat    | gi                | i l  |                | i        |          |              |  |  | ł                                   |          |  |  |  |
| L        | Ä                 |  |                |          |          |              | l  |  |                                     |          |  |  |  |
|          |                   |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | 101               |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | 102               |  |                |          | $\vdash$ |              | -  | $\vdash$   | $\vdash$                            |          |  |  |  |
| -        | 102<br>103        |  |                | -        | -        |              | Ͱ  | <del> </del>                                     | -                                   |          |  |  |  |
| $\perp$  | 103               |  |                |          |          |              |  |  | _                                   |          |  |  |  |
|          | 104               |  | _              | <b>-</b> | -        | _            | <u> </u>   | _  |                                     |          |  |  |  |
|          | 105               |  | _              |          |          |              | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |                                     |          |  |  |  |
|          | 105<br>106        |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | 107               |  |                |          |          | Г            |  |  |                                     |          |  |  |  |
|          | 108               |  |                |          |          |              |  |  | $\Box$                              |          |  |  |  |
|          | 109               | -  | -              | $\vdash$ | $\vdash$ | _            | $\vdash$   |  | _                                   |          |  |  |  |
| -        | 110               |  | -              | -        | ├        | ┢            | -  | ╁  | -                                   | $\vdash$ |  |  |  |
|          | 110               |  | ├              | ┢        | <u> </u> | _            | -  |  | $\vdash$                            | $\vdash$ |  |  |  |
| <u> </u> | 111               | _  | <u> </u>       | <u> </u> |          | _            | <u> </u>   | <u> </u>   | <u> </u>                            | _        |  |  |  |
|          | 112               | _  |                | L_       | <u> </u> | _            |  | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |  |  |  |
|          | 113               |  | L              | $\perp$  | L        | L            | L  | L  | L                                   |          |  |  |  |
|          | 113<br>114        |  |                |          |          |              |  | Γ  |                                     |          |  |  |  |
|          | 115               |  | П              | Г        | П        |              | П  | П  |                                     |          |  |  |  |
|          | 116               | $\vdash$   | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$                            | М        |  |  |  |
| $\vdash$ | 117               | <del> </del>                                     | <del> </del>   | -        | -        | $\vdash$     | $\vdash$   | ╁  | $\vdash$                            | $\vdash$ |  |  |  |
| $\vdash$ | 117               | _  |                | ⊢        |          |              | ⊢  |  | -                                   | $\vdash$ |  |  |  |
|          | 118               |  | L              | ļ        |          | L.           | ļ  | <u> </u>   | <u> </u>                            | L        |  |  |  |
|          | 119               | _  | L              |          |          |              |  | <u> </u>   |                                     |          |  |  |  |
|          | 120               |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | 121               |  |                |          |          |              | 1  |  |                                     |          |  |  |  |
|          | 121<br>122<br>123 |  |                | Г        |          |              |  | П  |                                     |          |  |  |  |
|          | 123               |  |                | _        |          |              |  |  |                                     |          |  |  |  |
| <b>—</b> | 124               | -  |                | -        |          | ┢            | -  | 一  | $\vdash$                            |          |  |  |  |
|          | 124<br>125        | _  | -              | -        |          | _            | -  | ⊢  | H                                   | <u> </u> |  |  |  |
|          | 125               | -  |                | ļ        | ļ        |              | <del>                                     </del> | ├-   | <u> </u>                            |          |  |  |  |
| <u> </u> | 126               |  |                | _        | _        | _            |  | L.   | _                                   | L        |  |  |  |
|          | 127<br>128<br>129 |  | L              | _        |          | _            | _  | L  |                                     |          |  |  |  |
|          | 128               |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | 129               |  |                |          |          |              | $\Box$   |  |                                     |          |  |  |  |
|          | 130<br>131        |  |                |          |          |              |  | Г  | _                                   |          |  |  |  |
| ·        | 131               | _  | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$   | -                                   |          |  |  |  |
|          | 132               |  | ┢              | ⊢        | $\vdash$ | _            | $\vdash$   | $\vdash$   | -                                   |          |  |  |  |
| -        | 102               | _  | ├-             | $\vdash$ | $\vdash$ |              | ⊢-   | ┢  | -                                   | $\vdash$ |  |  |  |
| ļ        | 133               | ļ  | <del> </del> — | <u> </u> |          | <u> </u>     |  | ļ  | $\vdash$                            | H        |  |  |  |
|          | 134               | L_   | <u> </u>       | <u> </u> | L_       | L.           | <u> </u>   | <u> </u>   | ļ                                   | L_       |  |  |  |
| L        | 135               |  | L              | L        |          | L            |  | L  |                                     |          |  |  |  |
|          | 135<br>136        |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | 137               |  | <u> </u>       |          |          |              |  |  |                                     | П        |  |  |  |
|          | 138               |  | $\vdash$       | $\vdash$ |          | -            | <del> </del>                                     | <del>                                     </del> | $\vdash$                            | $\vdash$ |  |  |  |
|          | 138<br>139        | <del>                                     </del> | $\vdash$       | +        | $\vdash$ |              | ├-   | -  | -                                   | $\vdash$ |  |  |  |
|          | 109               | <u> </u>   | ├—             | ├        |          | -            | ├-   | ├-   | $\vdash$                            | $\vdash$ |  |  |  |
| -        | 140               | $\vdash$   | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | ⊢-   | ├-                                  | <u> </u> |  |  |  |
| ļ        | 141               | L_   | _              | <u> </u> |          | _            | <u> </u>   | <u> </u>   | <del> </del> _                      | Щ        |  |  |  |
|          | 142               |  | L              | L        |          | L            | L_   | L.   |                                     |          |  |  |  |
|          | 143               |  |                | L        | $L^{-}$  |              |  |  |                                     |          |  |  |  |
|          | 144               |  |                | Г        |          |              |  |  |                                     |          |  |  |  |
|          | 145               | $\vdash$   | $\overline{}$  | Ι-       | $\vdash$ | $\vdash$     | $\vdash$   |  | $\vdash$                            | П        |  |  |  |
|          | 146               | -  | <del> </del>   | $\vdash$ | $\vdash$ | <del> </del> | -  |  | $\vdash$                            | $\vdash$ |  |  |  |
| $\vdash$ |                   |  | -              | ├        | -        | $\vdash$     | $\vdash$   | $\vdash$   | -                                   | $\vdash$ |  |  |  |
|          | 147               | $\vdash$   | _              | $\vdash$ | $\vdash$ | -            | ├-   |  |                                     |          |  |  |  |
| 1 1      | 148               |  | <u></u>        |          |          | _            | _  | L_   |                                     | Ш        |  |  |  |
| <b></b>  |                   |  |                |          |          |              |  |  |                                     |          |  |  |  |
|          | 149<br>150        |  | L              |          |          |              | L.   |  |                                     |          |  |  |  |